

DRIVE CONTROLLER FOR BRUSHLESS MOTORS

ABSTRACT OF THE DISCLOSURE

A drive controller for brushless motors, comprising: a multiplicity of switching means each having a first switching element connected between a first power supply providing a first potential and an output terminal of the drive controller, and a second switching element connected between the output terminal and a second power supply providing a second potential; oscillator means for generating triangular signals; position signal generation means for generating sinusoidal position detection signals based on the signal detected by a position detector of the brushless motor; and comparator means for comparing the magnitudes of the triangular signals with the sinusoidal position detection signals to generate PWM signals. The first switching element and the second switching element of each switching means are turned ON/OFF alternately by the PWM signals. The mean potentials of the triangular signals and the sinusoidal position detection signals are set to the same potential.